

EX03-065C-US patentin.txt SEQUENCE LISTING

10/528168

<110>	EXELIXI	S, INC.					
<120>	FLJ2064	7s AS M	ODIFIERS OF	THE p21 PA	THWAY AND ME	THODS OF US	E
<130>	EX03-06	5c-us					
<150> <151>	us 60/4 2002-09						
<160>	4						
<170>	PatentI	n versi	on 3.2				
<210> <211> <212> <213>	1 1245 DNA Homo sa	piens		•			
<400> ggcacga	1 aggc agg	cgctgac	gaggagcccg	gctgagggag	gatgcgccgc	tgacgcctgc	60
gggagc	cgcg cgc	ctggggc	gggaggatgc	tccagagggg	cctctggccg	tggcgcacgc	120
ggctgct	tgcc gac	ccctggc	acctggcgcc	cagcgcgccc	gtggccgctg	ccgcctccgc	180
cccagg	tttt gcg	tgtgaag	ctgtgtggaa	atgtgaaata	ctaccagtca	caccattata	240
gtaccg	tggt gcc	acctgat	gaaataacag	ttatttatag	acatggcctt	cccttggtaa	300
cactta	cctt gcc	atctaga	aaagaacgtt	gtcaattcgt	agtcaaacca	atgttgtcaa	360
cagttg	gttc att	ccttcag	gacctacaaa	atgaagataa	gggtatcaaa	actgcagcca	420
tcttca	cagc aga	tggcaac	atgatttcag	cttctacctt	gatggatatt	ttgctaatga	480
atgatt	ttaa act	tgtcatt	aataaaatag	catatgatgt	gcagtgtcca	aagagagaaa	540
aaccaa	gtaa tga	gcacact	gctgagatgg	aacacatgaa	atccttggtt	cacagactat	600
ttacaa	tctt gca	tttagaa	gagtctcaga	aaaagagaga	gcaccattta	ctggagaaaa	660
ttgacca	acct gaa	ggaacag	ctgcagcccc	ttgaacaggt	gaaagctgga	atagaagctc	720
attcgga	aagc caa	aaccagt	ggactcctgt	gggctggatt	ggcactgctg	tccattcagg	780
gtgggg	cact ggc	ctggctc	acgtggtggg	tgtactcctg	ggatatcatg	gagccagtta	840
catact	tcat cac	atttgca	aattctatgg	tcttttttgc	atactttata	gtcactcgac	900
aggatta	atac tta	ctcagct	gttaagagta	ggcaatttct	tcagttcttc	cacaagaaat	960
caaagca	aaca gca	ctttgat	gtgcagcaat	acaacaagtt	aaaagaagac	cttgctaagg	1020
ctaaaga	aatc cct	gaaacag	gcgcgtcatt	ctctctgttt	gcaaatgcaa	gtagaagaac	1080
tcaatg	aaaa gaa	ttaatct	tacagtttta	aatgtcgtca	gattttccat	tatgtattga	1140
ttttgc	aact tag	gatgttt	ttgagtccca	tggttcattt	tgattgttta	atctttgtta	1200
ttaaat	tctt gta	aaacaga	aaaaaaaaa	aaaaaaaaa	aaaaa		1245

EX03-065C-US patentin.txt

<210> 2 <211> 2929 <212> DNA <213> Homo	e sapiens		·			
<400> 2 gagatggcgg	ccgccgcagg	tagatcgctc	ctgctgctcc	tctcctctcg	gggcggcggc	60
ggcgggggcg	ccggcggctg	cggggcgctg	actgccggct	gcttccctgg	gctgggcgtc	120
agccgccacc	ggcagcagca	gcaccaccgg	acggtacacc	agaggatcgc	ttcctggcag	180
aatttgggag	ctgtttattg	cagcactgtt	gtgccctctg	atgatgttac	agtggtttat	240
caaaatgggt	tacctgtgat	atctgtgagg	ctaccatccc	ggcgtgaacg	ctgtcagttc	300
acactcaagc	ctatctctga	ctctgttggt	gtatttttac	gacaactgca	agaagaggat	360
cggggaattg	acagagttgc	tatctattca	ccagatggtg	ttcgcgttgc	tgcttcaaca	420
ggaatagacc	tcctcctcct	tgatgacttt	aagctggtca	ttaatgactt	aacataccac	480
gtacgaccac	caaaaagaga	cctcttaagt	catgaaaatg	cagcaacgct	gaatgatgta	540
aagacattgg	tccagcaact	atacaccaca	ctgtgcattg	agcagcacca	gttaaacaag	600
gaaagggagc	ttattgaaag	actagaggat	ctcaaagagc	agctggctcc	cctggaaaag	660
gtacgaattg	agattagcag	aaaagctgag	aagaggacca	ctttggtgct	atggggtggc	720
cttgcctaca	tggccacaca	gtttggcatt	ttggcccggc	ttacctggtg	ggaatattcc	780
tgggacatca	tggagccagt	aacatacttc	atcacttatg	gaagtgccat	ggcaatgtat	840
gcatattttg	taatgacacg	ccaggaatat	gtttatccag	aagccagaga	cagacaatac	900
ttactatttt	tccataaagg	agccaaaaag	tcacgttttg	acctagagaa	atacaatcaa	960
ctcaaggatg	caattgctca	ggcagaaatg	gaccttaaga	gactgagaga	cccattacaa	1020
gtacatctgc	ctctccgaca	aattggtgaa	aaagattgat	ctgcaaaaag	cctctgaatc	1080
ctggcagaag	gaacacctgt	ttgccttttt	aattaaagca	ttgcaggtgg	aagctgggag	1140
ccatgtgggg	ggtagagcgt	ttttaccttt	aattataaaa	caaaaacaga	aaggatctga	1200
gggaagaagg	gaatgttaaa	acctgaggat	caggcattgt	ggaatataag	ctcaaagggc	1260
ttagtgaata	ttgtcttaac	caagtatctc	agtttctgga	tgaaaatgat	gcagttatat	1320
agttgagaga	ttcataaaga	gaaaacaatg	ctgggggtgt	tcgtttcttg	catcttcttt	1380
gcagagtcag	caaaagagta	acacaccagc	accccactcg	actctatttg	tttttaattt	1440
aactgtccct	atttttgaca	taggagtaaa	taaatatact	agaaaagcaa	attctcatga	1500
tatgctaaaa	tatcattagc	atttatttta	aattggaccc	agtctctgca	gagttaccag	1560
gaatctttcc	ttccagcatc	cctttactga	ccacctacct	gtacctcttg	gttacactca	1620
ttttttccat	ttgataattg	gaaccaactt	ataactgttt	aataattgac	actttagatt	1680

	EX0	3-065C-US p	atentin.txt	+4+6+2222	1740
atctcttaat accttcttaa	atytttatat	accccagige	tctyyatcay	tytttaaaaa	1740
tcactggcaa cactgcatga	ggttgttggt	tttgttttgt	tttattaatt	agtctttcac	1800
aggaggaata attgccctcc	tttatatact	tatctattga	taatcccctc	tccctccaga	1860
acacaaatca gagggaaagg	gggtgttcag	ctgtactacc	aaatcaggaa	gatgtaaggt	1920
ttacaaattg gctaagaatc	atggctctgt	agccatttca	accagaataa	ttttattgct	1980
aatctgcttt gtgtgacagc	attccaggcc	agccagatgg	gactgccttg	tctggaggct	2040
ttgttcatct cgaaggacac	acacttccac	actgtttgtg	agccctccca	cctccacaac	2100
ttcagttgta aatcaagtgt	gtggatctca	aagggtgcaa	tttatcttta	tataggaata	2160
catttctagg gcttccttca	agcccactct	cttcacccta	ttttttctta	tcttaaattg	2220
agagaaagag aattaatctt	atactttgtc	aaaacatttt	ctaccatatt	tccagatgac	2280
atctgcgctt gaagagtcaa	aggaatctgt	gtctaatatc	ctgtttttaa	ctgctgtagg	2340
ggcaggatgg aaaggatgat	gggggctgcc	acaccactga	ttggcctttt	ctttcacgtg	2400
attcatcctt cctcattgtg	gcaaggagtt	tctttctctt	tttcttcctc	ctttgggatc	2460
attgtgtatg aaaagaaaaa	ctttaaatga	caaacccaga	ctccaggtgc	cttgcaaagg	2520
ttgaaggcca gccaggattg	ctgctgctgc	tgctactcct	gccaacaccc	ctttcattgg	2580
catgacggaa tgaaaggatg	catgtctcca	cttcctgacc	ctccgcccac	ttccttctcc	2640
ctccaccacc cccagtcgtc	agctccttcc	ctcatttatt	tttgttaagt	tgtgtgaatt	2700
atttttaacc catttatcct	gtttgtgcat	agggtttta	agaagaaaca	gcacagtgca	2760
acgagcaaat ctttttgggg	tgtgtgggaa	gcaagggagg	gaggacatgg	agaaaagttc	2820
tttaaacaaa tagcaaacta	ttgaacatgt	gtaaaatcct	gtatcattta	tgaaatatgt	2880
ataaaaagca atgtaccttc	tggaacaata	aatacttatt	caatttttg		2929

<210> 3 <211> 248 <212> PRT

<213> Homo sapiens

<400> 3

Met Leu Ser Thr Val Gly Ser Phe Leu Gln Asp Leu Gln Asn Glu Asp 1 10 15

Lys Gly Ile Lys Thr Ala Ala Ile Phe Thr Ala Asp Gly Asn Met Ile $20 \hspace{1cm} 25 \hspace{1cm} 30$

Ser Ala Ser Thr Leu Met Asp Ile Leu Leu Met Asn Asp Phe Lys Leù 35 40 45

Val Ile Asn Lys Ile Ala Tyr Asp Val Gln Cys Pro Lys Arg Glu Lys Page 3

EX03-065C-US patentin.txt

Pro Ser Asn Glu His Thr Ala Glu Met Glu His Met Lys Ser Leu Val 65 70 75 80

55

His Arg Leu Phe Thr Ile Leu His Leu Glu Glu Ser Gln Lys Lys Arg 85 90 95

Glu His His Leu Leu Glu Lys Ile Asp His Leu Lys Glu Gln Leu Gln 100 105 110

Pro Leu Glu Gln Val Lys Ala Gly Ile Glu Ala His Ser Glu Ala Lys 115 120 125

Thr Ser Gly Leu Leu Trp Ala Gly Leu Ala Leu Leu Ser Ile Gln Gly 130 140

Gly Ala Leu Ala Trp Leu Thr Trp Trp Val Tyr Ser Trp Asp Ile Met 145 150 155 160

Glu Pro Val Thr Tyr Phe Ile Thr Phe Ala Asn Ser Met Val Phe Phe 165 170 175

Ala Tyr Phe Ile Val Thr Arg Gln Asp Tyr Thr Tyr Ser Ala Val Lys 180 185 190

Ser Arg Gln Phe Leu Gln Phe Phe His Lys Lys Ser Lys Gln Gln His 195 200 205

Phe Asp Val Gln Gln Tyr Asn Lys Leu Lys Glu Asp Leu Ala Lys Ala 210 215 220

Lys Glu Ser Leu Lys Gln Ala Arg His Ser Leu Cys Leu Gln Met Gln 225 230 235 240

Val Glu Glu Leu Asn Glu Lys Asn

<210> 4

<211> 351

50

<212> PRT

<213> Homo sapiens

<400> 4

Met Ala Ala Ala Gly Arg Ser Leu Leu Leu Leu Leu Ser Ser Arg $10 \ 15$

Gly Gly Gly Gly Gly Ala Gly Gly Cys Gly Ala Leu Thr Ala Gly Page 4

EX03-065C-US patentin.txt 25 30

20 Cys Phe Pro Gly Leu Gly Val Ser Arg His Arg Gln Gln Gln His His 35 40 45 Thr Val His Gln Arg Ile Ala Ser Trp Gln Asn Leu Gly Ala Val 50 55 60 Tyr Cys Ser Thr Val Val Pro Ser Asp Asp Val Thr Val Val Tyr Gln 65 70 75 80 Asn Gly Leu Pro Val Ile Ser Val Arg Leu Pro Ser Arg Arg Glu Arg 85 90 95 Cys Gln Phe Thr Leu Lys Pro Ile Ser Asp Ser Val Gly Val Phe Leu 100 105 110 Arg Gln Leu Gln Glu Glu Asp Arg Gly Ile Asp Arg Val Ala Ile Tyr 115 120 125 Pro Asp Gly Val Arg Val Ala Ala Ser Thr Gly Ile Asp Leu Leu 130 135 140 Leu Leu Asp Asp Phe Lys Leu Val Ile Asn Asp Leu Thr Tyr His Val 145 150 155 160 Arg Pro Pro Lys Arg Asp Leu Leu Ser His Glu Asn Ala Ala Thr Leu 165 170 175 Asn Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile 180 185 190 Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu 195 200 205 195 Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile 210 215 220 Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu 225 230 235 240 Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp 245 250 255

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr 260 265 270

Page 5

EX03-065C-US patentin.txt
Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
275 280 285

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His $290 \hspace{1.5cm} 295 \hspace{1.5cm} 300$

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu 305 310 315 320

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp 325 330 335

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp 345 350